14.9 1920 3 US-08-746- Sequel 10.3 7218 2 US-08-388- Sequel 5.8 965 3 US-08-388- Sequel 5.8 7218 2 US-08-32- Sequel 5.8 7218 2 US-08-32- Sequel 6.7 74 4 PCT-US95-1 Sequel 7.7 14 PCT-US95-1 Sequel 7.7 15 14 PCT-US95-1 Sequel 7.7 15 14 PCT-US95-1 Sequel 7.7 15 15 15 15 15 15 15 15 15 15 15 15 15	e greater than or equal to the score of the result being pris derived by analysis of the total score distribution.  SUMMARIES  Query  Query  Query  Ore Match Length DB ID  Description  Pr	e: n-issued 1:5A_COMB 2:5B_COMB 3:5C_COMB 4:PCT9_COMB 5:backf ics: Mean 8.112; Variance 4.337; scale 1.871 ics: Mean because to have result to the score of the result because the results are resulted to the resulted to th	Scoring table: TABLE default Gap 6  Nmatch STD: Dbase 0; Query 0  Searched: 165362 seqs, 43234748 bases x 2  Post-processing: Minimum Match 0% Listing first 45 summaries	n F. Collins, Biocomputing Research Unit 193-1998 University of Edinburgh, U.K. Ition rights by Oxford Molecular Ltd latabase search, using Smith-Waterman alg 4 18:11:25 2000; MasPar time 42.04 Secon 1135.273 Million cell led.  8-217-15 Secon US08978217.seq (9 of 10)  17TAACATGGATGTGTTCCCAGAGGGGTCTCCAGAGGGTTTCCCCAGAGGGGTTTCCCCCAGAGGGGTTTCCCCCAGAGGGGTTTCCCCCAGAGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGTTTCCCCCAGAGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGGTTCCCCCAGAGGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGGTTCCCCCAGAGGGGGGTTCCCCCAGAGGGGGGTTCCCCAGAGGGGGTTCCCCCAGAGGGGGGTTCCCCCAGAGGGGGGTTCCCCCAGAGGGGGGTTCCCCCAGAGGGGGGTTCCCCCAGAGGGGGGGTTCCCCCAGAGGGGGTTCCCCCAGAGGGGGGGG	
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19,	5	<u>ب</u>	۲	4	Sequence 3, Applicatio	•	2,	143	93, A	e 145	95,	Sequence 85, Applicati	ω,	ຸນ	2, A	16, App	Sequence 16, Applicati	4 ,86	100		_	142, App	_	Sequence 144, Applicat
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## ALIGNMENTS

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COUNTRY: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM 486
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
SOFTWARE: MICROSOFT WORD
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/746,789A
FILLING DATE: No. 5789200ember 15, 1996
CLASSIFICATION DATA:
APPLICATION NUMBER: S14
PRIOR APPLICATION DATA:
APPLICATION NUMBER: ATTORNEY/AGENT INFORMATION:
NAME: William T. Han
REGISTRATION NUMBER: ATG 50024
REFERENCE/DOCKET NUMBER: ATG 50024
REFERENCE/DOCKET NUMBER: ATG 50024
TELEPHONE: 610 270 5219
TELEFAX: 610 270 5219
TELEFAX: 610 270 4026
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LERGTH: 1920
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/08746789A
Sequence 1, Application US/08746789A
Patent No. 5789200
GENERAL INFORMATION:
APPLICANT: Ismail Kola, Martin J. Tymms, Chris
TITLE OF INVENTION: A No. 5789200el Human ETS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Smithkline Beecham Corporation
STRRET: 709 Swedeland Road, P.O. Box 1539
CITY: King of Prussia
STARIE PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-746-789A-1 STANDARD; DNA; UNC; 1920 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 XXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ismail Kola, Martin J. Tymms, Christine DeBouck
VENTION: A No. 5789200el Human ETS Family Member,
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SEQUENCE 1920 BP; 422 A; 561 C; 550 G; 387 T; 0 OTHER

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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 14, Application Sequence 14, Application Patent No. 5670367 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1778
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-232-463-14 STANDARD; DNA; UNC; 7218
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1600 GATGGAGAGGACAGAGGGGGCTCCAGCACCTT-CTTTCTGGACTGGCGTTCACCTCCC 1658
                         INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
                                                     REFERENCE/DOCKET NUMBER: 39,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)883-4109
TELEX: RGG1/A
                                                                                                                APPLICATION NUMBER: EP 91
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29.7
                                                                                                                                                                                                                                                                                                           COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                            COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
                                         TELLETAX: 1/2
TELETAX: 899149
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                                                                                                                                                                                                                         CLASSIFICATION: 435
                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/232,463
                                                                                                                                                                                                                                                                                                                                                                                         STREET:
              LENGTH:
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  7218 base pairs
cleic acid
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74.78;
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US/08232463
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SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No. 57959
GENERAL INFORMA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 22, Application Sequence 22, Application
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  XXXXXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Carr, Frank J.
APPLICANT: Old, Lloyd J.
APPLICANT: Welt, Sydney
APPLICANT: Kitamura, Kunio
TITLE OF INVENTION: Recombinant H
TITLE OF INVENTION: Antibodies
                                                              INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPOSITION
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: Patentin Release #1.0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IMMEDIATE SOURCE:
CLONE: pTZgpt-
                           SEQUENCE CHARACTERISTICS:
LENGTH: 965 base pairs
                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: 212-688-9200
                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 579961man
REGISTRATION UNBER: 30,946
REFERENCE/DOCKET NUMBER: LUD
                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
STREET: 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TIGTGTCCTCGGTACTTCCTGGACTGCCTTCCACCTCTTTGCTCAGGTACTCAGGCTCCAC 7542
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCTATTTTTTCTAAAGCATTTCCCCTCCCTGCTCTTCTCCACTGAGTGCTGGTGGCCAGA 7662
                                                                                                                                                                                     FILING DATE: 1
CLASSIFICATION:
TYPE: nucleic acid
STRANDEDNESS: unknown
                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/388,672A
                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <u>ა</u>
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805 Third Avenue
                                                                            212-838-3884
                                                                                                                                                                                                                                                                                                                                               U.S.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wallace,
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US/08388672A
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Pred. No. 7.50e-
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SEQUENCE

MOLECULE TYPE: QUENCE 965 BP;

BP; 192

DNA (genomic) 92 A; 170 C; 2

226 G;

200 T; 177 OTHER.

Query Match 6.2%; Best Local Similarity 12.7%;

Score 34; Pred. No.

DB 3; I 2.66e-08;

Length 965

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Сþ 밁 ç 밁 Сþ 밁 RESULT Query Match Best Local 9 Matches Matches Patent No. GENERAL IN 7266 Sequence 22, Sequence 22, US-08-388-672A-22 STANDARD; 7386 XXXXXX 895 777 INFORMATION FOR SEQ ID NO: / Match 5.8%; Local Similarity 13.2%; les 15; Conservative APPLICANT: SEQUENCE CHARACTERISTICS: LENGTH: 965 base pairs TYPE: nucleic acid SOFTWARE: Patentin Rel CURRENT APPLICATION DATA: COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk MOLECULE TYPE: DNA (genomic) NUENCE 965 BP; 192 A; 170 C; 226 G; TELECOMMUNICATION INFORMATION: TELEPHONE: 212-688-9200 TELEFAX: 212-838-3884 ATTORNEY/AGENT INFORMATION: CORRESPONDENCE ADDRESS: TITLE OF INVENTION: Recombinant Human Anti-Lewis TITLE OF INVENTION: Antibodies APPLICANT: NUMBER OF SEQUENCES: FITLE OF INVENTION: APPLICANT: ADDRESSEE: STREET: 80 CITY: New STATE: New COUNTRY: DRVTTCRSSTTHGNGNTYYWYKGKAKYRVSNRSGVSRS 932 CCCGGGGCTTGTAATTCCAAGAGGGCGAGGGAGAGGCCCAAAGGCTGCACTTGAGGAGAC 7267 DTSSNSRSS-VTAADTAVYYCVRGRSYDSDGGDYWGGTTVTVSSHUVKDMTSS-SSASVG 894 GTKKGURHUVHVSGGVRSTSTCTASDYTTSYWGWVRGRGWGDYGGGYTNYNGKRGRVTMA 836 NAME: Hanson, No. 57959 REGISTRATION NUMBER: 30 REFERENCE/DOCKET NUMBER: TGCAGAGGGCACGCCCAACAGGTTCTTCCTCTCTACAG GTTGGGACGGGAGGGAACTGGAATCACAGCTGGAAGAGTTATCGAACAAGTTGGTTCAAA 7327 TYPE: nuclei STRANDEDNESS: CLASSIFICATION: APPLICATION NUMBER: FILING DATE: 14-FE COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS TOPOLOGY: INFORMATION: 10022 New York 579596 Application Application Conservative 805 Third Avenue Carr, Frank J.
Old, Lloyd J.
Welt, Sydney Harris, U.S.A. Kitamura, Kunio Wallace, unknown Felfe and Lynch 14-FEB-1995 unknown William 5795961man D. T. Paul US/08388672A US/08388672A Release #1.0, Version US/08/388,672A 30,946 Score 32; Pred. No. 56; Misma DNA; 78; Mismatches 4 LUD 5409 UNC; 965 4.83e-07; 200 T; 177 OTHER. DB 3; ВP 58; 43; Indels Length 965; Indels 0, 2: Gaps Gaps 0

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7422 CCAGGCATCTGCAGGTGGGTCTCATTTGCAGTCCATGT

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                                       В
                                                          Query Match
Best Local Similarity
Matches 2; Conse
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Sequence 14,
Patent No. 56
 1399
                     7482
                                      CIONE: pT2gpt-F1s
SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER
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                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
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APPLICANT:
APPLICANT:
                                                                                                            TOPOLOGY: line IMMEDIATE SOURCE: pTZgpt-
                                                                                                                                                                                                                         NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A
                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE:
                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pair
                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: RECOMBINANT NUMBER OF SEQUENCES: 52
                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY:
STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTGTGGCAGGAGTGCAGGGACGGACAGGGTTGTGTCCTCGGTACTTC
CCCTGTCCCCTCCGTCCCTGCAGTCTCCTGCCAGCCTCCCCAGCCTCCTTGGCTGAGG 7423
                                                                                                                                                                                                                                                                             APPLICATION NUMBER: FILING DATE: 26-AUC
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                                                                                                                                          STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                           FILING DATE
                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn
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                                                                                                                                                                                                       TELEFAX:
                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
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                                                                                                                                                      nucleic acid
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Application
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                                                                                                                                                                                                     (703)683-4109
                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
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US/08232463
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                                                                    Score 32; DB 2;
Pred. No. 4.83e-07
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Best Local :
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LOCATION: 1.215
OTHER INFORMATION: /standard_name= "Deduced amino acid
OTHER INFORMATION: sequence of PGIP from bean."
SEQUENCE 215 BP; 15 A; 8 C; 25 G; 26 T; 141 OTHER.
                                                                                                                                                                                                                                         7341
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Sequence 5, Application US/08238163
Patent No. 5569830
                                                                                                                                   7282 CTGCACT
                                                                                                                                                                                                                                                                                                                                          7399 ATTTGCAGTCCATGTTGGGACGGGAGGGAACTGGAATCA-CAGCTGG-AAGAGTTATCGA 7342
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                                                                                                                                                                                    209 CCGSSCT 215
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                                                                                                                                                                                                                                                                                                                                                                     89 ADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKTAMTSRNRTGKTANNAVDSRNMGD 148
                                                                                                                                                                                                                                                                                                                                                                                                                                5.6%;
Local Similarity 20.5%;
26; Conservation
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/238,163
FILING DATE: 03-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: protein FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 23
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
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ATTORNEY/AGENT INFORMATION:
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STATE: California
                                                                                                                                                                                                                                                                                       ASVGSDKNTKKHAKNSADGKVGSKNNGDRNNRYGTGTKSNVSNNCGGGNKRDVSSYANNK 208
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
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                             STANDARD;
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51; N
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Pred. No. 2.02e-06
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Best Local 9
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                                                                                                               Sequence 98, Application PC/TUS9511934
Sequence 98, Application PC/TUS9511934
GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
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                                                                                                                                                                                                                       7657 CCACCAGCAC 7648
                                                                                                                                                                             PCT-US95-11934-98 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (212) 869-974
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Releaction CURRENT APPLICATION DATA:
APPLICATION UNMBER: PCT,
FILING DATE: 20-SEP-1992
CLASSIFICATION:
                                                                                                                                                                                                                                           61 NNVNNACCAC
                                                                                                                                                                                                                                                                                                                  Match 4.7%;
Local Similarity 11.4%;
                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                     NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                          APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Binding Peptides (Abtides) From
TITLE OF INVENTION: Peptide Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION: NAME: Misrock, S. Leslie
COMPUTER READABLE FORM:
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                 STATE: N
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                                                             ADDRESSEE:
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                             New York
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PC/TUS9511934
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Pred. No. 2.04e-03;
20; Mismatches 4;
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Best Local
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                                                                                                                                                                                                                                                                                                 Patent No. 5569830
GENERAL INFORMATION:
APPLICANT: BENNETT
APPLICANT: LABAVIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEPHONE: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 98:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application Sequence 5, Application Patent No. 5569830
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Local Similarity 11.4%;
les 8; Conservative
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                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0
                                                                                                                                                                                                                  ADDRESSEE: Townsend
                                                                                                                                                                                                                                    TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE
NUMBER OF SEQUENCES: 24
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UENCE 81 BP; 6 A; 6 C; 4 G; 5
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                                  CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
                                                                                  CURRENT APPLICATION DATA:
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                                                                                                                                                                              ADDRESSEE: Townsend and Townsend Khourie and C
STREET: Steuart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
           NAME: Bastian, Kevin L. REGISTRATION NUMBER: 34,774
                                                           APPLICATION NUMBER: US/0 FILING DATE: 03-MAY-1994
                                                                                                                                                        COUNTRY: US
ZIP: 94105-1493
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TOPOLOGY: li
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OPERATING SYSTEM: PC-DOS/MS-DOS
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 REFERENCE/DOCKET NUMBER:
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                                                                                             PatentIn Release #1.0, Version
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STOTZ, Henrik
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US/08238163
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                                                                       US/08/238,163
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Pred. No.
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20; N
 2307E-540
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             42;
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                                                                                              #1.25
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Sequence 94, Applicat
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature
LOCATION: 1.215
OTHER INFORMATION: /standard_name= "Deduced an
OTHER INFORMATION: sequence of PGIP from bean.
SEQUENCE 215 BP; 15 A; 8 C; 25 G; 26 T; 141 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7417
                                                                                                                                                                                                                                                                                                                                                                                     XXXXXX
                                                                                                                                                                                                                                                                                                                                                                                               PCT-US95-11934-94 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                               7477 ACAGGGTTGTGTCCTCGGTACTTCCTGG 7504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7360
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   127 MTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKN-SADGKVGSKNNGDRNNRYGTGT 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 base pairs
                                                     APPLICATION NUMBER: PCT/US
FILING DATE: 20-SEP-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  67 NYGGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKTA 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 13.9%;
                                                                                                                                      COMPUTER READABLE FORM:
MEDIDIM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                 APPLICANT: Cytogen Corporation TITLE OF INVENTION: Antigen Bir TITLE OF INVENTION: Peptide Lil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7 SSSSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNKYSSANY
        REFERENCE/DOCKET NUMBER: 110
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (415) 543-9600
                                                                                                                              CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                               STATE: N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KSNVSNNCGGGNKRDVSSYANNKCCGSS 213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GCCTGGCCTCAGCCAAGGAGGCTGGGGAGACTGTGGCAGGAGACTGCAGGGACGGAGGGG
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                                                                                                                                                                                                                                        CITY: New York
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
EDNESS: single
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Application PC/TUS9511934
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                                                                                                                                                                                                                                                                                /standard_name= "Deduced amino acid
                                                                                                                 PCT/US95/11934
                                                                                                                                                                                                                                                               Edmonds
                                                      18,872
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pred. No. 2.04e-03
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83; 1
                                               1101-196-228
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                                                                                                                                                                                                                                                                                                                                                                                                74
                                                                                                                                          Version
                                                                                                                                                                                                                                                                                                             Peptides (Abtides) From
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Best Local Similarity
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Best Local :
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Sequence 99, Application PC/TUS9511934
GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
7646 GAGTGCTGGTGGCCAGACTGATTTTTTTTTTAGCCCCCCTAACTGGACCAGCGAGAAGTA 7705
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                                                                                                                                                                                                                                                                                                     SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7646 GAGTGCTGGTGGCCAGACTGATTTTTTTTTAGCCCCCCTAACTGGACCAGCGAGAAGTA 7705
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SEQUENCE CHARACTERISTICS
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/11934
FILING DATE: 20-SEP-1995
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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TITLE OF INVENTION: Antigen Binding Peptides (Abtides) From
TITLE OF INVENTION: Peptide Libraries
NUMBER OF SEQUENCES: 103
                                                                     MOLECULE TYPE: DNA (genomic)
UENCE 75 BP; 1 A; 1 C; 7 G; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 11
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
DUENCE 74 BP; 3 A; 4 C; 3 G; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION: NAME: Misrock, S. Leslie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
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TOPOLOGY: lir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
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New York
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                                                                                                                                               4.5%;
larity 8.8%;
Conservative
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                                                                                                                                           Score 25; DB 4; L
Pred. No. 7.73e-03;
20; Mismatches 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 25; DB 4; 1
Pred. No. 7.73e-03;
20; Mismatches 44
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                                                                                                                                                                                                                                                                                                     61 OTHER
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Best Local (
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                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) SEQUENCE 75 BP; 1 A; 1 C; 7 G; 5 T; 61 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 99, Application PC/TUS9511934 Sequence 99, Application PC/TUS9511934 GENERAL INFORMATION:
                                Sequence 92, Application Sequence 92, Application GENERAL INFORMATION:
                                                                                                                                                                               7744 GAGACCCCTCTGGGGGAAGAGGGGGGTCCTGGAATCACCCTACTTCTCGCTGGTCCAGTTA 7685
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7706 GGGTGATT 7713
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PCT-US95-11934-99 STANDARD; DNA; UNC; 75
                                                                               XXXXX
                                                                                        PCT-US95-11934-92 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                      TELEFAX: (212) 869-974
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US
PILING DATE: 20-SEP-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
                                                                                                                                                          63 BNNBGG 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   63 BNNBGGTT
                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
 APPLICANT: Cytogen
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE:
                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New York
T: Cytogen Corporation
INVENTION: Antigen Binding Peptides (Abtides) From
INVENTION: Peptide Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New York
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                                                                                                                                                                                                                                                                                                                             75 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  USA
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                                            PC/TUS9511934
PC/TUS9511934
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Pred. No. 7.73e-03
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NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:

103

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Best Local S
Matches
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Sequence 97, Application PC/TUS9511934
GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Binding Peptides (Abtides) From
TITLE OF INVENTION: Peptide Libraries
                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: DNA (genomic) SEQUENCE 81 BP; 3 A; 5 C; 6 G; 4
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                                                                                                                                                                                                          XXXXXX
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                                                                                                                                                                                                                                                                      70 BNNBNACGCCA 80
                                                                                                                                                                                                                                                                                                       Local Similarity
SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/11934
FILING DATE: 20-SEP-1995
                                 COMPUTER READABLE FORM:
MEDIDM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                STREET:
                                                                       ZIP:
                                                                              COUNTRY:
                                                                                                                ADDRESSEE:
                                                                       10036
                                                                                      New York
: New York
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                                                                                                       1155 Avenue of the Americas
                                                                              USA
                                                                                                                Pennie & Edmonds
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20; Mismatches 44; Indels
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Pred. No. 7.73e-03;
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              TELEFAX: (212) ...
TELEFAX: (6141 PENNIE
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LEMGTH: 82 base pairs
TYPE: nucleic acid
TYPE: nucleic single
                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 97, Application PC/TUS9511934 Sequence 97, Application PC/TUS9511934 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA (genomic)
SEQUENCE 82 BP; 1 A; 2 C; 10 G; 8 T; 61 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     XXXXXX
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TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 82 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  70 BNNBGGTT
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                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: PatentIn Release #1.0
CURRENT APPLICATION DATA:
                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: MISTOCK, S. Leslie
REGISTRATION NUMBER: 18,6
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Binding POTITLE OF INVENTION: Peptide Libraries
NUMBER OF SEQUENCES: 103
                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
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MOLECULE TYPE:
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TOPOLOGY: lin
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            TOPOLOGY: lin
                                                                                                                                                                             FILING DATE: 2
CLASSIFICATION:
                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                          CITY: New York
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            linear
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DNA (genomic)
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Pred. No. 7.73e-03
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                                                                                                                                                                                                                            Version #1.30
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INFORMATION FOR SEQ ID NO:

66141 PENNIE

(212) 869-9741/8864

TELEFAX:

NAME: MISTOCK, S. Leslie
REGISTRACION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 11
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090

1101-196-228

CLASSIFICATION: ATTORNEY/AGENT INFORMATION:

APPLICATION NUMBER: PCT/ FILING DATE: 20-SEP-1995

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

COUNTRY:

USA

10036

New York
: New York

1155

Avenue of the Americas

Edmonds

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

PCT/US95/11934

SEQUENCE CHARACTERISTICS: LENGTH: 81 base pairs TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY:

linear